

Bertoglio.

CRF Errors Corrected by the STIC System Branch.

CRF Processing Date: 9/8/2003
Edited by: me
Verified by: me (STIC staff)

Serial Number: 09/508,745

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other: _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



1600

RAW SEQUENCE LISTING

DATE: 09/08/2003

PATENT APPLICATION: US/09/508,745

TIME: 10:42:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09082003\I508745.raw

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3 <110> APPLICANT: Cory, Suzanne
4     Adams, Jerry
5     Print, Cris
6     Gibson, Leonie
7     Koentgen, Frank
9 <120> TITLE OF INVENTION: A METHOD OF TREATMENT AND AN ANIMAL MODEL USEFUL FOR
10    SAME
12 <130> FILE REFERENCE: 13464
14 <140> CURRENT APPLICATION NUMBER: 09/508,745
15 <141> CURRENT FILING DATE: 2000-07-12
17 <150> PRIOR APPLICATION NUMBER: PCT/AU98/00764
18 <151> PRIOR FILING DATE: 1998-09-16
20 <160> NUMBER OF SEQ ID NOS: 8
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 581
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
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30 <221> NAME/KEY: CDS
31 <222> LOCATION: (1)..(579)
33 <400> SEQUENCE: 1
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36   1           5           10          15
38 ttt gta ggt tat aag ctg agg cag aag ggt tat gtc tgt gga gct ggc      96
39 Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly
40           20           25           30
42 ccc ggg gag ggc cca gca gct gac ccg ctg cac caa gcc atg cgg gca      144
43 Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
44   35           40           45
46 gct gga gat gag ttc gag acc cgc ttc cgg cgc acc ttc tct gat ctg      192
47 Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
48   50           55           60
50 gcg gct cag ctg cat gtg acc cca ggc tca gcc caa caa cgc ttc acc      240
51 Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
52  65           70           75           80
54 cag gtc tcc gat gaa ctt ttt caa ggg ggc ccc aac tgg ggc cgc ctt      288
55 Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
56           85           90           95
58 gta gcc ttc ttt gtc ttt ggg gct gca ctg tgt gct gag agt gtc aac      336
59 Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
60           100           105           110

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62 aag gag atg gaa cca ctg gtg gga caa gtg cag gag tgg atg gtg gcc 384
63 Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala
64      115      120      125
66 tac ctg gag acg cgg ctg gct gac tgg atc cac agc agt ggg ggc tgg 432
67 Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp
68      130      135      140
70 gcg gag ttc aca gct cta tac ggg gac ggg gcc ctg gag gag gcg cgg 480
71 Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg
72 145      150      155      160
74 cgt ctg cgg gag ggg aac tgg gca tca gtg agg aca gtg ctg acg ggg 528
75 Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly
76      165      170      175
78 gcc gtg gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc 576
79 Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
80      180      185      190
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83 Lys
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87 <211> LENGTH: 193
88 <212> TYPE: PRT
89 <213> ORGANISM: Homo sapiens
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95 Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly
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98 Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
99 35 40 45
101 Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
102 50 55 60
105 Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
106 65 70 75 80
108 Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
109 85 90 95
111 Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
112 100 105 110
114 Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala
115 115 120 125
117 Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp
118 130 135 140
120 Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg
121 145 150 155 160
123 Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly
124 165 170 175
126 Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
127 180 185 190
129 Lys
134 <210> SEQ ID NO: 3
135 <211> LENGTH: 581

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RAW SEQUENCE LISTING

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TIME: 10:42:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09082003\I508745.raw

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137 <213> ORGANISM: Mus musculus
139 <220> FEATURE:
140 <221> NAME/KEY: CDS
141 <222> LOCATION: (1)..(579)
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146 1 5 10 15
148 ttt gta ggc tat aag ctg agg cag aag ggt tat gtc tgt gga gct ggc 96
149 Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly
150 20 25 30
152 cct ggg gaa ggc cca gcc gcc gac ccg ctg cac caa gcc atg cgg gct 144
153 Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
154 35 40 45
156 gct gga gac gag ttt gag acc cgt ttc cgc cgc acc ttc tct gac ctg 192
157 Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
158 50 55 60
160 gcc gct cag cta cac gtg acc cca ggc tca gcc cag caa cgc ttc acc 240
161 Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
162 65 70 75 80
164 cag gtt tcc gac gaa ctt ttc caa ggg ggc cct aac tgg ggc cgt ctt 288
165 Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
166 85 90 95
168 gtg gca ttc ttt gtc ttt ggg gct gcc ctg tgt gct gag agt gtc aac 336
169 Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
170 100 105 110
172 aaa gaa atg gag cct ttg gtg gga caa gtg cag gat tgg atg gtg gcc 384
173 Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Asp Trp Met Val Ala
174 115 120 125
176 tac ctg gag aca cgt ctg gct gac tgg atc cac agc agt ggg ggc tgg 432
177 Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp
178 130 135 140
180 gcg gag ttc aca gct cta tac ggg gac ggg gcc ctg gag gag gca cgg 480
181 Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg
182 145 150 155 160
184 cgt ctg cgg gag ggg aac tgg gca tca gtg agg aca gtg ctg acg ggg 528
185 Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly
186 165 170 175
188 gcc gtg gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc 576
189 Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
190 180 185 190
192 aag tg 581
193 Lys
196 <210> SEQ ID NO: 4
197 <211> LENGTH: 193
198 <212> TYPE: PRT
199 <213> ORGANISM: Mus musculus
201 <400> SEQUENCE: 4

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09082003\I508745.raw

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202 Met Ala Thr Pro Ala Ser Thr Pro Asp Thr Arg Ala Leu Val Ala Asp
203   1           5           10           15
205 Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly
206           20           25           30
209 Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
210           35           40           45
212 Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
213           50           55           60
215 Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
216           65           70           75           80
218 Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
219           85           90           95
221 Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
222           100          105          110
224 Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Asp Trp Met Val Ala
225           115          120          125
227 Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp
228           130          135          140
230 Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg
231          145          150          155          160
233 Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly
234           165          170          175
236 Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
237           180          185          190
239 Lys
243 <210> SEQ ID NO: 5
244 <211> LENGTH: 583
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
248 <220> FEATURE:
249 <221> NAME/KEY: CDS
250 <222> LOCATION: (1)..(579)
252 <400> SEQUENCE: 5
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254 Met Ala Thr Pro Ala Ser Ala Pro Asp Thr Arg Ala Leu Val Ala Asp
255   1           5           10           15
257 ttt gta ggt tat aag ctg agg cag aag ggt tat gtc tgt gga gct ggc 96
258 Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly
259           20           25           30
261 ccc ggg gag ggc cca gca gct gac ccg ctg cac caa gcc atg cgg gca 144
262 Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
263           35           40           45
265 gct gga gat gag ttc gag acc cgc ttc cgg cgc acc ttc tct gat ctg 192
266 Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
267           50           55           60
269 gcg gct cag ctg cat gtg acc cca ggc tca gcc cag caa cgc ttc acc 240
270 Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
271           65           70           75           80
273 cag gtc tcc gac gaa ctt ttt caa ggg ggc ccc aac tgg ggc cgc ctt 288

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09082003\I508745.raw

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274 Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
275      85      90      95
277 gta gcc ttc ttt ctc ttt ggg gct gca ctg tgt gct gag agt gtc aac 336
278 Val Ala Phe Phe Leu Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
279      100      105      110
281 aag gag atg gaa cca ctg gtg gga caa gtg cag gag tgg atg gtg gcc 384
282 Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala
283      115      120      125
285 tac ctg gag acg cgg ctg gtc gac tgg atc cac agc agt ggg ggc tgg 432
286 Tyr Leu Glu Thr Arg Leu Val Asp Trp Ile His Ser Ser Gly Gly Trp
287      130      135      140
289 gcg gag ttc aca gct cta tac ggg gac ggg gcc ctg gag gag gcg cgg 480
290 Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg
291 145      150      155      160
293 cgt ctg cgg gag ggg aac tgg gca tca gtg agg aca gtg ctg acg ggg 528
294 Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly
295      165      170      175
297 gcc gtg gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc 576
298 Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
299      180      185      190
301 aag tga a 583
302 Lys
305 <210> SEQ ID NO: 6
306 <211> LENGTH: 193
307 <212> TYPE: PRT
308 <213> ORGANISM: Homo sapiens
310 <400> SEQUENCE: 6
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312 1 5 10 15
314 Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly
315 20 25 30
317 Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
318 35 40 45
320 Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
321 50 55 60
323 Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
324 65 70 75 80
326 Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
327 85 90 95
329 Val Ala Phe Phe Leu Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
330 100 105 110
332 Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala
333 115 120 125
335 Tyr Leu Glu Thr Arg Leu Val Asp Trp Ile His Ser Ser Gly Gly Trp
336 130 135 140
338 Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg
339 145 150 155 160
341 Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly
342 165 170 175

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VERIFICATION SUMMARY

DATE: 09/08/2003

PATENT APPLICATION: US/09/508,745

TIME: 10:42:47

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09082003\I508745.raw



1600

RAW SEQUENCE LISTING

DATE: 09/08/2003

PATENT APPLICATION: US/09/508,745

TIME: 10:42:16

Input Set : A:\13464.seq.txt

Output Set: N:\CRF4\09082003\I508745.raw

3 <110> APPLICANT: Cory, Suzanne
 4 Adams, Jerry
 5 Print, Cris
 6 Gibson, Leonie
 7 Koentgen, Frank
 9 <120> TITLE OF INVENTION: A METHOD OF TREATMENT AND AN ANIMAL MODEL USEFUL FOR
 10 SAME
 12 <130> FILE REFERENCE: 13464
 14 <140> CURRENT APPLICATION NUMBER: 09/508,745
 15 <141> CURRENT FILING DATE: 2000-07-12
 17 <150> PRIOR APPLICATION NUMBER: PCT/AU98/00764
 18 <151> PRIOR FILING DATE: 1998-09-16
 20 <160> NUMBER OF SEQ ID NOS: 8
 22 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

417 <210> SEQ ID NO: 8
 418 <211> LENGTH: 193
 419 <212> TYPE: PRT
 420 <213> ORGANISM: Mus musculus
 422 <400> SEQUENCE: 8
 423 Met Pro Thr Pro Ala Ser Thr Pro Asp Thr Arg Ala Leu Val Ala Asp
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 427 20 25 30
 429 Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
 430 35 40 45
 432 Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
 433 50 55 60
 435 Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
 436 65 70 75 80
 438 Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
 439 85 90 95
 441 Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
 442 100 105 110
 444 Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Asp Trp Ile Val Ala
 445 115 120 125
 447 Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp
 448 130 135 140
 450 Ala Asp Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Asp Ala Arg
 451 145 150 155 160

RAW SEQUENCE LISTING

DATE: 09/08/2003

PATENT APPLICATION: US/09/508,745

TIME: 10:42:16

Input Set : A:\13464.seq.txt

Output Set: N:\CRF4\09082003\I508745.raw

453 Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Ser Thr Val Val Thr Gly
454 165 170 175
456 Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
457 180 185 190
459 Lys
E--> 468 1

VERIFICATION SUMMARY

DATE: 09/08/2003

PATENT APPLICATION: US/09/508,745

TIME: 10:42:17

Input Set : A:\13464.seq.txt

Output Set: N:\CRF4\09082003\I508745.raw

L:468 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8